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APPLICATION STANDARD																			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C					STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C											
	VOLTAGE	AC 50 V					OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 95 % MAX (NO DEW CONDENSATION IS PERMITTED)											
	CURRENT	0.3 A																	
SPECIFICATIONS																			
ITEM		TEST METHOD					REQUIREMENT					QT	AT						
CONSTRUCTION																			
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT					ACCORDING TO DRAWING					X	X						
MARKING		CONFIRMED VISUALLY.										X	X						
ELECTRICAL CHARACTERISTICS																			
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).					60 mΩ MAX.					X	X						
INSULATION RESISTANCE		100 V DC.					100 MΩ MIN.					X	—						
VOLTAGE PROOF		150 V AC FOR 1 min.					NO FLASHOVER OR BREAKDOWN.					X	X						
MECHANICAL CHARACTERISTICS																			
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.					INSERTION FORCE: 100.8 N MAX. WITHDRAWAL FORCE: 4.2 N MIN.					X	—						
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTION.					1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.					X	—						
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, — m/s ² WITH 10 CYCLES IN 3 DIRECTIONS.					1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.					X	—						
SHOCK		490 m/s ² DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.										X	—						
ENVIRONMENTAL CHARACTERISTICS																			
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h.					1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.					X	—						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→-15→35→ 85→-15→35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.					3) NO DAMAGE, CRACK AND LOOSENESS OF PART.					X	—						
DRY HEAT		EXPOSED AT 85 °C, 96 h.					1) CONTACT RESISTANCE: 70 mΩ MAX.					X	—						
COLD		EXPOSED AT -55 °C, 96 h.					2) NO DAMAGE, CRACK AND LOOSENESS OF PART.												
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.					NO HEAVY CORROSION.					X	—						
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)					1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.					X	—						
RESISTANCE TO SOLDERING HEAT		<p>REFLOW RECOMMENDED TEMPERATURE PROFIL</p> <p>TO BE TESTED UNDER THE ABOVE CONDITIONS.</p>					NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.					X	—						
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.					NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.					X	—						
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED										
					J. Takada	J. Takada	M. Sakabe	T. Yoshimura											
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.					00.01.13	00.01.13	00.01.13	00.01.14											
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST																			
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET					PART NO.					FX10B - 168S - SV(21)							
CODE NO.(OLD)					DRAWING NO.					CODE NO.					1				
CL					ELC4 - 151991 - 01					CL 570 - 0254 - 0 - 21					1				

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